State of Wisconsin
Department of Natural Resources
PO Box 7291, Madison WI 53707-7291
dnr.wi.gov

Wadeable Macroinvertebrate Field Data Report

Form 3200-081 (R 8/14)

Instructions: **Bold** fields must be completed.

Station Summary

Waterbody Name	**Waterbody ID Code**	**Sample ID (YYYYMMDD-CY-FD)**
NORTH BRANCH CEDAR CREEK	22500	20191106-67-03

Sampling Location	**Database Key**
15m DS Pleasant Valley Rd	221307640

SWIMS Station ID	**SWIMS Station Name**
10008824	UN CR (N. BR. CEDAR CREEK) STATION #1 20 M UP FROM PLEASANT VALLEY RO/

Latitude	**Longitude**	**Lat/Long Determination Method (circle)**	**Datum Used if using GPS**
43.3513	-88.0748	SWIMS SWDV (GPS)	(WGS84) or NAD83

Basin (WMU)	**Watershed Name**	**County**
MILWAUKEE RIVER	CEDAR CREEK	WASHINGTON

Sample and Site Descriptors

Sample Collector (Last Name, First)	**Project Name**
CRAIG HELKER	MILWAUKEE RIVER BASIN AQUATIC MACROINVERTEBRA1

Sampling Device

- [x] D-Frame Kick Net
- [ ] Surber Sampler
- [ ] Eckman
- [ ] Ponar
- [ ] Artificial Substrate
- [ ] Hess Sampler
- [ ] Other: _____

Habitat Sampled

- [ ] Riffle
- [x] Run
- [ ] Pool
- [ ] Other
- [ ] Shoreline Composite
- [ ] Proportionally-Sampled Habitat
- [ ] Littoral Zone
- [ ] Profundal Zone
- [ ] Wetland

Total Sampling Time (min)	**Estimated Area Sampled (m^2)**	**Number of Samples in Composite**	**Replicate No.____ of ____**
4	4		

Reason For Sampling

- [ ] Least Impacted Reference
- [ ] Baseline
- [ ] Impact / Treatment Site
- [ ] Control Site
- [ ] Trend
- [x] Other: _____

Water Temp. (C)	**D.O. (mg/l)**	**D.O. (% sat.)**	**pH (su)**	**Conductivity (umhos/cm)**	**Transparency (cm)**
0.86	12.31	87.7		642.7	+120

Water Color

- [ ] Clear
- [ ] Turbid
- [x] Stained

Estimated Stream Velocity (m/s)

- [x] Slow (< 0.15 m/s)
- [ ] Moderate (0.15 m/s - 0.5 m/s)
- [ ] Fast (> 0.5 m/s)

Measured Velocity circle units m/s **or** f/s	**Average Stream Depth of reach (m)**	**Average Stream Width of reach (m)**
	.6	7

Composition of Substrate Sampled (Percent):

Bedrock:____ Boulders (basketball or larger):____ Rubble (tennisball to basketball):____ Gravel (ladybug to tennisball): 50

Sand: 50 Clay:____ Silt/Muck:____ Overhanging Vegetation:____

Aquatic Macrophytes:____ Leaf Snags:____ Coarse Woody Debris:____ Other (____):____

Embeddedness of Substrate at Sample Site (%) 50 **Canopy Cover at Sample Site (%)** 90

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Stream and Watershed Descriptors

N = Not a problem
U = Uncertain
PL = Present, Low Impact
PH = Present, High Impact

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Biological		
Algae: - Diatoms / Periphyton		
- Filamentous Algae		
- Planktonic Algae		
Iron Bacteria		
Macrophytes		
Slimes		
Other - Specify:		
Physical		
Bank Erosion		
Channelization: - Upstream		
- Downstream		
Hydraulic Scour / Channel Incision		
Impoundment: - Upstream		
- Downstream		
Low Flow		
Sedimentation		
Sludge		
Thermal		
Turbidity		
Other - Specify:		

Factors that may be influencing Water Resource Integrity	Local	Water-shed
Chemical		
Chlorine		
Dissolved Oxygen		
Nutrients (P, N...)		
Toxics: - Inorganic (Metals)		
- Organic (PCBs, pesticides...)		
Other - Specify:		
Sources of Stream Impacts		
Bank Erosion		
Point Source - Specify:		
Pasturing of Livestock		
Runoff: - Barnyard		
- Construction		
- Cropland		
- Urban		
Septic Systems		
Tile Drainage - Organic Soils		
- Mineral Soils		
Springs		
Tributary(s)		
Wetland		
Other - Specify:		

Comments

Special Instructions for Laboratory

For Lab Use Only

Sample Sorter	Taxonomist	Estimated Percent of Sample Sorted
Eric Naas	Dimick, Jeffrey	20%
Date Processed	**Specimens Saved**	
6/25/2020	Subsample archived in ABL until Aug 2023	

A3 B1 E3 D1
45 34 34 59 = 172

Wisconsin Department of Natural Resources
ABL SampleNum: **20191106-67-03**
Taxonomist: Dimick, Jeffrey

Waterbody: **North Branch Cedar Creek**
SWIMS Database Key: **221307640**

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Caenis	L	/	5	Klub 2016	imm	N
C. latipennis	L	ll	2	"		
Stenacron	L	l	1	"	imm	
Helicopsyche borealis	L	l	1	Hils 1995		
Cheumatopsyche	L	llll	4	MerrCumm13 2019		
Hydropsyche ~~bon~~ betteni	L	ll	2	Schm Hils 1986		
Mystacides	L	ll	2	Hils 1995	imm	
Dubiraphia	L	-lll	8	Hils Schm 1992		N
D. bivittata	A	l	1	"		
Optioservus fastiditus	A	l	1	"		
Stenelmis	L	l	1	"		
Mallochohelea	L	llll	4	Hils 1995		
Probezzia	L	lll	3	"		
Bezzia/Palpomyia	L	l	1	"		
Ephydridae	L	l	1	MerrCumm13 2019		
Hyalella azteca	A	8 0 l	61	Soucek et al 2015		
Caecidotea intermedia	A	8 x ll	52	Will 1972		
Megadrili = Metasynophora	A	ll	2	Thorp Rog 2016		
Fossaria	A	l	1	Brown 1991		
Hydrobiidae not P. antipodarum	A	ll	2	"		
Sphaerium simile	A	ll	2	Mackie 2007		
~~Split Az Chironomidae~~	~~L~~	~~x~~				
Cladotanytarsus	L	-l	6	Epl et al 2013		
Cryptochironomus	L	ll	2	"		
Microtendipes pedellus group	L	ll	2	"		
Orthocladius (Orthocladius) oliveri	L	ll	2	Bolton 2012		
Micropsectra	L	l	1	Epl et al 2013		
Paratanytarsus	L	l	1	"	mt mdt	N
P. species A	L	ll	2	Hils unpubl		
Paratendipes	L	l	1	Epl et al 2013		
Phaenopsectra flavipes	L	l	1	Bolton 2012		
Polypedilum (Polypedilum) illinoense group	L	l	1	"		
P. (Tripodura) scalaenum group	L	lll	3	"		
P. (Uresipedilum) flavum	L	l	1	"		